



UltraEAK® 10" GVA Screens

Truly open,
modular &
scalable Data
and Power.



Key features

- Compliant with Def Stan 23- 009 Generic Vehicle Architecture (GVA)
- Easy access to key platform functions
- Analogue and Digital Video inputs
- Network connectivity & IO options

Overview

The UltraEAK® system is a modular set of COTS/MOTS hardware, including power distribution, screens, processors, networking and sensors/actuators, which when combined deliver integrated platform mission systems.

A series of smart screens that provide the necessary visual display, embedded processing and platform interfaces for efficient system integration.

The mission system software is delivered through the UltraPGI software, reusing modules/plugin-ins developed from previous projects/vehicles and only developing new modules where a new feature/vehicle is encountered. The UltraEAK® solution is technically and commercially open as the system includes an open API allowing vehicle integrators and third party manufacturers to develop plugins to integrate equipment into the Electronic Architecture.



Ultra PCS

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ultra-pcs.com

10" GVA Screens

Specification Comparison*

	Model A	Model B
Operating System	UltraEAK PGI Software on Base LinuxOS	UltraEAK PGI Software on Base LinuxOS
Panel Size	10.4"	10.4"
Bezel Keys	GVA Compliant Physical Bezel Keys	GVA Compliant Physical Bezel Keys
Processor	Intel W-1155MLE Six-Core Processor	I7-1185GRE
RAM	32GB	32GB
Storage	1TB	512 GB
Graphics Card	Intel UHD	Intel HD Graphics 530
I/O Interface	3 x GbE Ethernet	2 x GbE Ethernet
	3 x USB 2.0	4 x USB 2.0
	Serial (2 x RS232 + 2 x RS232/422/485)	Serial (4 x RS232/422/485)
	2 x CANBus	2 x CANBus
	Audio Port (1 x Line in 1 x Line out 1x Mic In)	Audio Port (1 x Line in 1 x Line out 1x Mic In)
	GPIO (4 x Digital In 4 x Digital Out)	11 x GPIO + PTT
	-	4 x CVBS + 2 x SDI Video
Power Input	18V ~ 32V DC-IN (MIL-STD-1275E)	18V ~ 32V DC-IN (MIL-STD-1275E)
Power Consumption	Nominal 60W, Max 84W	Nominal 50W, Max 80W
Dimensions	310 x 258 x 99.2 mm (w x h x d)	286 x 254 x 68 mm (w x h x d)
Weight	6.6Kg	5.9kg

*other configurations available - contact for bespoke requirements.

